Contents

T. Greitz
Development of Neuroradiology from Dandy to Hounsfield (not received) —

Pediatric Neuroradiology

D. C. Harwood-Nash
The Development of Paediatric Neuroradiology 1

C. R. Fitz, D. C. Harwood-Nash, S. Chuang, I. M. Resjo
Metrizamide Ventriculography and Computed Tomography in Infants and Children 6

G. Deák, E. Paraicz
Correlative Evaluation of Different Contrast Techniques in the Localization of Posterior Fossa Lesions in Children (not received) —

E. Kazner, W. Meese, K. Kretzschmar
The Role of Computed Tomography in the Diagnosis of Brain Tumors in Infants and Children 10

Z. H. Rappaport, F. Epstein, J. P. Lin, I. I. Kricheff
Computerized Axial Tomography as the Sole Preoperative Evaluation of Posterior Fossa Tumors in Children (not received) —

W. Ischebeck, A. Aulich, D. Karch, R. Liersch
Cranial CT Findings in Cyanotic Children (not received) —

T. El Gammal, M. Estrada, P. Dyken
Cranial CT (EMI 5005) Evaluation of Infants and Young Children: Some New Observations (not received) —

L. T. Bilaniuk, R. A. Zimmerman, L. Brown, H. J. Yoo, H. I. Goldberg
Computed Tomography in Meningitis 13

C. R. Fitz, D. C. Harwood-Nash, I. M. Resjo, S. Chuang
The Clival-Perpendicular or Modified Water's View in Computed Tomography 15

C. R. Fitz, D. C. Harwood-Nash, I. M. Resjo, S. Chuang
CT Scanning in Infants and Children – Normal Standards (not received) —

L. T. Bilaniuk, R. A. Zimmerman, L. Rorke
Computed Tomography of Pedriatric Brain Tumor: Differential Diagnosis (not received) —

S. R. Lin, M. M. Bryson, R. Gobien, C. R. Fitz, Y. Y. Lee
Neuroradiologic Study of Hamartomas of the Tuber Cinereum and Hypothalamus 17

M. Choux, G. Lena, C. Raybaud
Supra-Sellar Arachnoidal Cysts (not received) —

F. Probst, B. Liliequist
Assessment of Posterior Fossa Tumors by means of Computer Tomography (not received) —

H. Arnold, D. Kühne
Computerized Axial Tomography in the Differential Diagnosis of Infratentorial Cystic Anomalies (not received) —

R. A. Baker, R. D. Strand, P. D. Barnes
Computed Tomography in Temporal Lobe Epilepsy (not received) —

J. R. Thompson, S. Schneider, S. Ashwal, A. N. Hasso, D. B. Hinshaw, Jr.
Sedation Versus Anesthesia for CT Scanning: A Prospective Comparison in 300 Children (not received) —

T. Reisner, K. Zeiler, P. Dal Bianco
Computertomographische Ergebnisse bei Kindern mit cerebralen Anfällen (Computerized Tomography in Infants with Seizures) 20

R. D. Snyder, J. Stovring
The Follow-Up CT Scan in Childhood Meningitis 22

C. Raybaud, C. Bamberger-Bozo, J. Laffont, M. Choux, J. Rougerie, J. Paliza, G. Salamon
Investigations of Nontumoral Hydrocephalus in Children 24

C. Bamberger-Bozo, J. Laffont, C. Raybaud, J. Rougerie, G. Salamon, J. J. Santini
Computed Tomography in the Diagnosis of Congenital Brain Malformations (not received) —

A. Yokota, T. Oota, Y. Matsukado, T. Okudera
Structures and Development of the Venous System in Congenital Malformations of the Brain 26

L. C. Handler, M. G. E. Wright
Postmeningitic Hydrocephalus in Infancy (Ventriculography with Special Reference to Ventricular Septa) 31

A. Gega, S. Utsumi, K. Kyoi, Y. Hori
Neuroradiologic Evaluation of the Subdural Pathogenesis in Infants with Small Heads 36

Contents

T. Greitz
Development of Neuroradiology from Dandy to Hounsfield (not received) —

Pediatric Neuroradiology

D. C. Harwood-Nash
The Development of Paediatric Neuroradiology 1

C. R. Fitz, D. C. Harwood-Nash, S. Chuang, I. M. Resjo
Metrizamide Ventriculography and Computed Tomography in Infants and Children 6

G. Deák, E. Paraicz
Correlative Evaluation of Different Contrast Techniques in the Localization of Posterior Fossa Lesions in Children (not received) —

E. Kazner, W. Meese, K. Kretzschmar
The Role of Computed Tomography in the Diagnosis of Brain Tumors in Infants and Children 10

Z. H. Rappaport, F. Epstein, J. P. Lin, I. I. Kricheff
Computerized Axial Tomography as the Sole Preoperative Evaluation of Posterior Fossa Tumors in Children (not received) —

W. Ischebeck, A. Aulich, D. Karch, R. Liersch
Cranial CT Findings in Cyanotic Children (not received) —

T. El Gammal, M. Estrada, P. Dyken
Cranial CT (EMI 5005) Evaluation of Infants and Young Children: Some New Observations (not received) —

L. T. Bilaniuk, R. A. Zimmerman, L. Brown, H. J. Yoo, H. I. Goldberg
Computed Tomography in Meningitis 13

C. R. Fitz, D. C. Harwood-Nash, I. M. Resjo, S. Chuang
The Clival-Perpendicular or Modified Water's View in Computed Tomography 15

C. R. Fitz, D. C. Harwood-Nash, I. M. Resjo, S. Chuang
CT Scanning in Infants and Children – Normal Standards (not received) —

L. T. Bilaniuk, R. A. Zimmerman, L. Rorke
Computed Tomography of Pedriatric Brain Tumor: Differential Diagnosis (not received) —

S. R. Lin, M. M. Bryson, R. Gobien, C. R. Fitz, Y. Y. Lee
Neuroradiologic Study of Hamartomas of the Tuber Cinereum and Hypothalamus 17

M. Choux, G. Lena, C. Raybaud
Supra-Sellar Arachnoidal Cysts (not received) —

F. Probst, B. Liliequist
Assessment of Posterior Fossa Tumors by means of Computer Tomography (not received) —

H. Arnold, D. Kühne
Computerized Axial Tomography in the Differential Diagnosis of Infratentorial Cystic Anomalies (not received) —

R. A. Baker, R. D. Strand, P. D. Barnes
Computed Tomography in Temporal Lobe Epilepsy (not received) —

J. R. Thompson, S. Schneider, S. Ashwal, A. N. Hasso, D. B. Hinshaw, Jr.
Sedation Versus Anesthesia for CT Scanning: A Prospective Comparison in 300 Children (not received) —

T. Reisner, K. Zeiler, P. Dal Bianco
Computertomographische Ergebnisse bei Kindern mit cerebralen Anfällen (Computerized Tomography in Infants with Seizures) 20

R. D. Snyder, J. Stovring
The Follow-Up CT Scan in Childhood Meningitis 22

C. Raybaud, C. Bamberger-Bozo, J. Laffont, M. Choux, J. Rougerie, J. Paliza, G. Salamon
Investigations of Nontumoral Hydrocephalus in Children 24

C. Bamberger-Bozo, J. Laffont, C. Raybaud, J. Rougerie, G. Salamon, J. J. Santini
Computed Tomography in the Diagnosis of Congenital Brain Malformations (not received) —

A. Yokota, T. Oota, Y. Matsukado, T. Okudera
Structures and Development of the Venous System in Congenital Malformations of the Brain 26

L. C. Handler, M. G. E. Wright
Postmeningitic Hydrocephalus in Infancy (Ventriculography with Special Reference to Ventricular Septa) 31

A. Gega, S. Utsumi, K. Kyoi, Y. Hori
Neuroradiologic Evaluation of the Subdural Pathogenesis in Infants with Small Heads 36

R. A. Zimmerman, L. T. Bilaniuk, D. Bruce, L. Schut, B. Uzzell, H. I. Goldberg
Interhemispheric Acute Subdural Hematoma: A Computed Tomographic Manifestation of Child Abuse by Shaking 39

E. Boltshauser, H. Spiess, W. Isler
Computer Tomography in Neurodegenerative Disorders in Childhood 41

J. C. Allen, H. T. Thaler, M. D. F. Deck, D. A. Rottenberg
Leukoencephalopathy Following High-Dose Intravenous Methotrexate Chemotherapy: Quantitative Assessment of White Matter Attenuation Using Computed Tomography 44

K. Hall, D. Gardner-Medwin
CT Scan Appearances in Leigh's Disease (Subacute Necrotizing Encephalomyelopathy) 48

B. G. Ziedses des Plantes, P. Crezée
Transfrontal Perforation of the Lamina Terminalis 51

P. Stoeter, K. Voigt
Prenatal Neuroradiology: Comparative Radiological Investigations of the Embryonal and Fetal Brain 54

I. Pascual-Castroviejo
Vascular Changes in Cerebellar Developmental Defects 58

S. Batnitzky, J. Muller
Infantile and Juvenile Cerebral Aneurysms 61

H. I. Goldberg, M. O. Russell, R. A. Zimmerman, L. T. Bilaniuk, R. Banka
Cerebrovascular and Blood Flow Response to Prolonged Transfusion Therapy in Children with Sickle Cell Disease (not received) —

H. Arnold, D. Kühne, H. Franke, I. Grosch
Findings in Computerized Axial Tomography after Intrathecal Methotrexate and Radiation 65

E. R. Heinz, A. E. Rosenbaum, D. H. Reigel, B. Drayer, Z. Deeb, W. O. Bank, C. Kerber
The Tethered Spinal Cord (not received) —

J. H. Scatliff, E. V. Staab, K. Killebrew, W. D. Bidgood
Computerized Tomography in the Assessment of Spinal Dysrhaphism (not received) —

D. C. Harwood-Nash, C. R. Fitz, I. M. Resjo, S. Chuang
Congenital Spinal and Cord Lesions in Children and Computed Tomographic Metrizamide Myelography 69

W. Entzian
Early Pneumoencephalography in Dysrhaphic Newborn (not received) —

W. Lanksch, T. Grumme, R. S. Simon
Aspect of Congenital Brain Lesions and Malformations in the CAT Scan (not received) —

H. Grau, M. von Gall, R. Emrich
Analysis of Cerebral Defective States Acquired in Early Life 71

C. R. Fitz, P. Fitzhardinge, D. C. Harwood-Nash, I. M. Resjo, S. Chuang
Neonatal Anoxia: Initial and Early Follow-Up Assessment by CT Scanning (not received) —

U. Piepgras, G. Huber, H. Emde
Cerebrospinal Fluid Scintigraphy and Computer Assisted Tomography in the Evaluation of Special Kinds of Hydrocephalus in Children 74

S. Puljic, L. J. Newman, L. Heitlinger, M. Y. Chaudhary, E. Hiesiger, D. Kotsilimbas
Radiography of Hydrocephalus after Total Parenteral Nutrition 76

D. W. Boldt, D. A. Simpson
Computed Tomography of Hydrocephalus in Childhood: Initial Report of South Australian Experience (not received) —

R. Heinz, A. Ward, C. Kerber, Z. Deeb, B. Drayer, A. Rosenbaum, W. Bank
The Distinction Between Obstructive and Atrophic Dilatation of Ventricles in Children: A Computer Analysis of 12 CT Variables (not received) —

W. W. Orrison, W. C. Robertson, J. F. Sackett
Computerized Tomography in Chronic Subdural Hematomas (Effusions) of Infancy 79

D. C. Harwood-Nash, C. R. Fitz, S. Chuang, I. M. Resjo, P. Fitzhardinge
Intraventricular and Subependymal Hemorrhage in Premature Infants (not received) —

R. A. Baker, R. D. Strand
Unusual Vascular Lesions in Childhood (not received) —

I. Pascual-Castroviejo
Vascular and Nonvascular Intracranial Malformations Associated with External Capillary Hemangiomas 82

D. C. Hemmy, E. A. Millar, V. Haughton
Gas Myelography in the Management of Spinal Cord Disorders in Children 85

R. L. Gilmor, S. Batnitzky
Diastematomyelia – Rare and Unusual Features 87

K. Martin, A. Krastel, J. Hamer, U. K. Banniza
Symptomatology and Diagnosis of Diastematomyelia of Children 89

K. Hall, V. L. McAllister
Diastematomyelia: The Appearances of Plain Radiographs and Positive Contrast Myelography of 80 Operatively Proven Paediatric Cases (not received) —

A. L. Agnoli, R. Schönmayr, M. Popović, H. Popović
The Value of Neuroradiological Investigations in Intraspinal Malformations of the Lumbosacral Spine in Childhood 91

R. C. Schmidt, H. Vogelsang, F. Grunwald
Myelographie bei Kindern und Jugendlichen mit Metrizamid (Amipaque) (Myelography with Metrizamide in Children) 93

Neuroradiology of Vascular and Atrophic Lesions in the Geriatric Age

J. M. Taveras
Vascular and Atrophic Lesions of the Brain in the Geriatric Age (not received) —

J. H. Edwards, I. I. Kricheff, T. Riles, A. Imparato
The Angiographically 'Normal' Carotid Bifurcation as a Site for Embolic Stroke (not received) —

H. Einsiedel-Lechtape
Secondary Emboli: A Frequent Sequela of Complete Extracranial Internal Carotid Artery Occlusion 96

C. W. Kerber, L. D. Cromwell, B. P. Drayer
The Radiology of Cerebral Ischemia: Current Concepts and Safety (not received) —

M. Rosa, G. Michelozzi, P. Tortori Donati, S. Schiavoni, M. Borzone
Magnification Angiography of the Small Vessels in Cerebrovascular Disease in Advanced Age 101

A. J. Fox, J. M. Allcock
Angiography of the External Carotid to Internal Carotid Anastomosis 104

A. N. Hasso, J. Moret, J. R. Thompson, D. B. Hinshaw Jr.
Pre- and Postoperative Blood Flow Variation of Orbital Anastomosis Following STA-MCA Bypass Procedures (not received) —

K. Ericson, M. Bergström
Analysis of the Blood-Brain Barrier Damage in Brain Infarctions by Computed Tomography (not received) —

N. Kobayashi, Y. Saito
Infarction and Circulation in Cerebrum: Effect of Recanalization and/or Collateral Circulation on the Lesion and Prognosis 108

E.-W. Radue, G. H. du Boulay, M. J. G. Harrison, D. J. Thomas
Comparison of Angiographic and CT Findings between Patients with Multi-Infarct Dementia and Those with Dementia Due to Primary Neuronal Degeneration 113

Y. Kuru, H. Sumie, T. Kondo, S. Kurokawa
Basiparallel Cut by Pneumoencephalotomography and Cerebellar Atrophy 116

C. F. Gonzalez, R. L. Lantieri, R. J. Nathan
The CT Scan Appearance of the Brain in the Normal Elderly Population: A Correlative Study 120

S. L. G. Rothman, S. Glanz
Cerebellar Atrophy: The Differential Diagnosis by Computerized Tomography 123

G. Dobben, G. Valvassori, M. Mafee
The Evaluation of Occipital Lobe Atrophy by Computerized Tomography before Consideration of Vertebral Artery Reconstructive Surgery 127

K. S. Pentlow, D. A. Rottenberg, M. D. F. Deck
Partial Volume Summation: A Simple Approach to Ventricular Volume Determination from CT 130

H. T. Thaler, P. W. Ferber, D. A. Rottenberg
A Statistical Method for Determining the Proportions of Gray Matter, White Matter, and CSF using Computed Tomography 133

D. A. Rottenberg, K. S. Pentlow, M. D. F. Deck, J. C. Allen
Determination of Ventricular Volume following Metrizamide CT Ventriculography 136

R. H. Ackerman, J. M. Taveras, D. S. Pryor
The Complementary Roles of Real-Time Imaging of the Carotid and Other Noninvasive Tests for Diagnosis of Carotid Disease (not received) —

H. M. Keller, O. Schubiger, C. Krayenbühl, B. Zumstein
Cerebrovascular Doppler Examination and Cerebral Angiography – Alternative or Complementary? 140

W. Zwiebel, P. Turski, C. Strother, A. Crummy, J. Sackett, P. Barriga
Doppler Ultrasound Evaluation of Extracranial Cerebrovascular Disease 145

O. Sato, M. Kobayashi, H. Kamitani, I. Kanazawa, T. Kokunai, J. Sato
Intracranial Aneurysms in Geriatric Patients: Angiographic Features and Angioautotomographic Analyses 147

K. Yamaguchi, K. Uemura
An Angiographic Study of Brain Swelling in Cerebral Infarction 150

J. F. Bonneville, F. Vernier, J. B. Tuetey
Compared Value of Cranial Computed Tomography and Angiotomography (not received) —

K. Zeiler, P. Dal Bianco, T. Reisner, E. M. Klausberger
The Diagnosis of Cerebral Atrophy on the Basis of Cerebral Angiogram 152

M. Perovitch
Comparative Study of Intracranial Aneurysms in Advanced Age 154

K. F. Lee, R. A. Chambers, C. Diamond, C. H. Park, N. L. Thompson, Jr., D. Schnapf, S. Pripstein
Evaluation of Cerebral Infarction by Computed Tomography with Special Emphasis on Microinfarction 156

S. Kwak, S. Inou, T. Nagashima, K. Sano
Classification of Hypertensive Intracerebral Hemorrhage by Means of Computed Tomography 159

H. Hacker, H. Desch, H. Becker
Development of Pathological CT Findings After Local Brain Ischemia (not received) —

K. Kohlmeyer, C. Graser
Comparative Study of Computed Tomography (CT) and Carotid Angiography (CAG) in Stroke Patients 162

R. Wodarz, M. Nadjmi, M. Ratzka
Topographische Korrelation angiographischer und computertomographischer Befunde bei zerebralen Gefäßprozessen (Topographic Correlation of Angiographic and CT Findings in Cerebrovascular Disease) 164

G. Ruggiero, F. S. Finizio, G. Nuzzo, L. Fagioli
CT and Arteriography in Cerebral Ischemia: A Preliminary Note 168

K. C. Rao, W. Robinson, T. B. Ducker
Role of CCT in Management of Intracerebral Hematoma (not received) —

T. Kryst-Widźgowska, P. Kozłowki, J. Zajgner, S. Rudnicki
Dynamic Radioisotope Study of the Internal Carotid Region of the Neck in Cerebrovascular Disease 171

A. Laporte, A. M. Renou, J. M. Mazeaux, P. Constant, P. Henry, J. M. Caillé, D. Ducassou
Comparative Results of ^{99m}Tc-Pertechnetate Scintigraphy and Computerized Tomography after Contrast Injection in Cerebral Pathology 173

L. R. Altemus, W. Leschey, R. C. Briggs
Static and Dynamic Imaging of Communicating Hydrocephalus Due to Deficient CSF Absorption in the Parasagittal Region (not received) —

W. D. Sager, G. Gell, G. Ladurner, P. W. Ascher
Calculation of Cerebral Tissue and Cerebrospinal Fluid Space Volumes from Computer Tomograms 176

S. H. Lee, L. S. Altamarino, J. U. Toglia
Cerebellar Atrophy: Pneumoencephalography and Computerized Tomography Correlation 179

J. F. Pellissier, R. Labrecque, G. Salamon
Lésions Cérébrales Séniles: Étude Anatomique (Lesions in Senile Brain: An Anatomic Study) 181

E. Schindler, B. Ludwig
Beitrag zur Diagnose der Rindenatrophie: Auswertung von Computertomogrammen und Angiogrammen über 70 Jahre alter Patienten (Contribution to the Diagnosis of Cortical Atrophy: Evaluation of Computer Tomograms and Angiograms of Patients Over 70 Years Old) 183

F. Brassow, K. Baumann
Volume of Brain Ventricles in Man Determined by Computer Tomography 187

H. Hacker, H. Artmann
The Calculation of CSF Spaces in CT 190

N. Tamaki, Y. Kanazawa, M. Asada, T. Kusunoki, S. Matsumoto
Comparison of Cerebrospinal Fluid Dynamics Studied by Computed Tomography (CT) and Radioisotope (RT) Cisternography 193

I. Moseley
CT Scanning in the Management of Patients after Ventricular Shunting (not received) —

M. Takahashi, H. Arii, Y. Tamakawa
Comparison of Metrizamide CT Cisternography with Radionuclide Cisternography in Abnormal Cerebrospinal Fluid Dynamics 199

D. A. Rottenberg, M. D. F. Deck, J. C. Allen
Metrizamide Washout as a Measure of CSF Bulk Flow 203

M. Asada, N. Tamaki, Y. Kanazawa, S. Matsumoto, M. Matsuo, S. Kimura, S. Fujii, Y. Kaneda
Computer Analysis of Periventricular Lucency on the CT Scan 207

M. Gado, M. Raichle, R. Grubb, M. Ter-Pogossian
A Clinical Comparison Between Emission and Transmission Computerized Tomography (not received) —

I. I. Kricheff, R. T. Bergeron, J. Schimpt, C. Marshall, M. Gado
Uniformity, Linearity, and Reproducibility of CT Numbers Obtained by CT Scans of Skull-Size Objects (not received) —

N. E. Chase, M. Abele, C. Marshall, I. I. Kricheff, R. T. Bergeron
Regional Scanning in Neuroradiology (not received) —

F. Yamada, S. Fukuda, H. Samejima, N. Yoshii, T. Kudo
Significance of Pathognomonic Features of Normal-Pressure Hydrocephalus on Computerized Tomography 212

Y. Inaba, H. Hiratsuka, M. Tsuyumu, Y. Suganuma, K. Okada, K. Fujiwara, Y. Takasato
Diagnostic Value of CT Cisternography with Intrathecal Metrizamide Enhancement, Comparison with Isotope Cisternography 214

C. B. Ostertag, F. Mundinger
Diagnosis of Normal-Pressure Hydrocephalus Using CT with CSF Enhancement 216

Dynamic Studies

B. P. Drayer, S. K. Wolfson, M. Boehnke, M. Dujovny, A. E. Rosenbaum, E. E. Cook
Physiologic Changes in Regional Cerebral Blood Flow Defined by Xenon-Enhanced CT Scanning 220

E.-W. Radue, B. E. Kendall
Xenon Enhancement in Tumours and Infarcts 224

S. K. Hilal, F. Kelcz, P. Hartwell
Regional Cerebral Perfusion Measured with Inhaled Stable Xenon and CT (not received) —

K. Uemura, K. Goto, K. Ishii, Z. Ito, R. Hen, H. Kawakami
Sequential Changes of Regional Cerebral Circulation in Cerebral Infarction 228

K. Kohlmeyer, C. Graser
Comparative Studies of Computed Tomography and Measurements of Regional Cerebral Blood Flow in Stroke Patients 233

J.-M. Caillé, P. Constant, A.-M. Renou, J. Billerey
Prognostic Value of rCBF Measurements and CT in Focal Cerebral Ischemia 238

S. Cronqvist, B. Nilsson, N. Svendgaard, J. Risberg, D. H. Ingvar
Neurocirculatory Analysis of Potential EIAB Patients 242

D. Norman, W. Berninger, D. Boyd, V. Levin, T. H. Newton
Dynamic Computed Tomography (not received) —

H. Hacker, H. Becker
Technic and Results of Angio CT (not received) —

R. Heinz, B. Drayer, S. Wolfson, R. Cook, M. Dujovny
The Measurement of Regional Cerebral Blood Flow Using Fast CT Scanners (not received) —

S. Rudnicki, H. Nielubowiczowa, T. Kryst-Widźgowska, S. Żurowski
Estimation of the Dynamic Carotid Flow in Patients with Normal Radionuclide Cerebral Perfusion 244

R. H. Ackerman, J. M. Taveras, A. D. Goulianos, J. A. Correia, N. M. Alpert, J. W. Ryder, G. L. Brownell
Imaging of Cerebral Circulation and Metabolism Using Positron-Emitting Radionuclides (not received) —

P. Lasjaunias, J. Moret, D. Doyon, J. Vignaud
Exploration Artériographique du Nerf Facial Intra-Pétreux: Embryologie et Aspect Radio-Anatomiques Normaux (Arteriographic Exploration of the Intrapetrous Facial Nerve: Embryology and Normal Radiologic Anatomy) 246

G. Wollschlaeger, P. B. Wollschlaeger
The Transcerebral Arteries: A Postmortem Arteriographic Study 249

R. E. Gonsette
Complement System Activation by Contrast Media in Neuroradiology 253

V. L. McAllister
A Clinical Angiographic and Computerised Tomographic Study in Subarachnoid Haemorrhage (not received) —

D. H. Becker, J. Townsend, R. Kramer, T. H. Newton
Angiographically Occult, Histologically Proven Vascular Malformations of the Brain (not received) —

M. Savoiardo, A. Passerini
CT, Angiography, and RN Scans in Intracranial Cavernous Hemangiomas 256

A. Möller, K. Ericson
Diagnosis and Differential Diagnosis of Isoattenuating Subdural Hematomas by Computed Tomography (not received) —

P. R. S. Kishore, M. H. Lipper, J. D. Miller, A. K. Girevendulis, D. P. Becker, F. S. Vines
Post-Traumatic Hydrocephalus in Patients with Severe Head Injury 261

P. L. Tapias, E. Philip, A. Debaene, M. Dufour, J. Legré
Value of the CT in the Control and Evaluation of Sequelae of Intracranial Post-Traumatic Injuries in 150 Cases (not received) —

G. Ruggiero, L. Sabattini
Postoperative CT Changes 266

J.-J. Merland, J. Chiras, J. P. Melki, J. L. Cassan
Etude Tomodensitométrique dans la Maladie de Wilson (CT Scan in Wilson's Disease) 269

D. Balériaux-Waha, M. Dupont, L. Jeanmart
CT Scanning of the Spine: Indications and Limits (not received) —

G. Coin, V. J. Keranen, M. Pennink, W. D. Ahmad
Computerized Tomography of the Spine and its Contents 271

J. F. Sackett
Cervical and Lumbar Routes for Metrizamide Cervical Examination 273

I. O. Skalpe, O. Sortland
Cervical Myelography with Metrizamide (Amipaque): A Comparison Between Conventional and Computer-Assisted Myelography with Special Reference to the Upper Cervical and Foramen Magnum Region 275

L. Punto, I. Alitalo
Adhesive Arachnoiditis Caused by Water-Soluble Myelographic Contrast Media, Meglumine Iocarmate (Dimer-X), and Metrizamide (Amipaque): An Experimental Study on Pigs (not received) —

O. P. Eldevik, K. O. Nakken, V. M. Haughton
Effect of Dehydration on the Side Effects from Metrizamide Myelography (not received) —

R. Ethier, D. Melancon, G. Bélanger, S. Taylor, C. Thompson
High Resolution CT of the Spinal Cord (not received) —

A. Sicuro, S. Duca
Some Observations Concerning Angiographic and CT Findings in Patients Presenting Partial Epilepsies 279

D. Kühne, P. Götze
Correlations Between CT and Angiographic Findings of Isolated and Unilateral Occlusions of Posterior Cerebral Artery (not received) —

J. F. Seeger, T. O. Gabrielsen, S. L. Gianotta
Carotid-Cavernous Sinus Fistulae and Venous Thromboses (not received) —

K. F. Lee, W. Parke, S.-R. Lin, H. Y. Choi, N. J. Schatz
The Vasculature of the Diaphragma Sellae: A Postmortem Injection Study 281

M. Nadjmi, M. Ratzka, M. Wodarz
Giant Aneurysms in CT and Angiography 284

F. Y. Tsai, J. E. Huprich, M. Stecker, H. D. Segall
Computed Tomography in the Determination of Brain Death (not received) —

N. Yoshii, Y. Seiki, H. Samejima, K. Shibata, S. Awazu
Occlusion of the Deep Cerebral Veins: Case Report 287

Y. Tanaka, M. Ogashiwa, K. Takeuchi
The Moyamoya Phenomenon with Accompanying Intracranial Aneurysm 289

M. Kino, M. Takayama, C. Kanehira, S. Tada
Angiographic Measurement of Posterior Fossa in the Japanese 291

I. Hayakawa, T. Watanabe, T. Tsuchida, A. Sasaki
Perangiographic Rupture of Intracranial Aneurysms 293

T. Maehara, A. Tasaka
Cerebral Venous Angioma: Computerized Tomography and Angiographic Diagnosis 296

S. Kan, T. Matsubayashi
CT in Homonymous Hemianopia 299

J. P. Braun, A. Tournade
Some Pathological Aspects Involving the Cranial Veins and Dural Sinuses (not received) —

R. S. Pinto, I. I. Kricheff, A. Butler
Correlation of CT, Angiographic, and Neuropathologic Changes in Giant Cerebral Aneurysms (not received) —

A. Avelini, I. Kosulić
The Hypoglossal Artery: A Rare Carotid-Basilar Anastomosis 302

P. Lasjaunias, J. Moret, D. Doyon, J. Vignaud
Collatérales C_5 du Siphon Carotidien: Embryologie, Corrélations Radio-Anatomiques, Radio-Anatomie Pathologique (C_5 Collaterals of the Internal Carotid Siphon: Embryology, Angiographic Anatomical Correlations, Pathological Radio-Anatomy) 304

J. Moret, P. Lasjaunias, J. Vignaud, D. Doyon
Participation de l'Artère Meningée Moyenne à la Vascularisation de la Fosse Postérieure (The Middle Meningeal Blood Supply to the Posterior Fossa) 306

J. Moret, P. Lasjaunias, D. Doyon, J. Vignaud
Etude Angiographique des Paralysies Faciales (Angiographic Study of Facial Paralyses) 308

N. Yoshii, H. Samejima, R. Sakiyama, T. Mizokami
Posttraumatic Epilepsy and CT Scan 311

F. Y. Tsai, J. E. Huprich, H. D. Segall, J. S. Teal
Contrast-Enhanced Computed Tomography in the Diagnosis of Isodense Subdural Hematoma (not received) —

F. Y. Tsai, J. E. Huprich
Further Experience with Contrast-Enhanced CT in Head Trauma 314

C. A. Dolinskas, R. A. Zimmerman, L. T. Bilaniuk, B. P. Uzzell
Correlation of Long-Term Follow-Up Neurologic, Psychologic, and Cranial Computed Tomographic Evaluations of Head Trauma Patients 318

B. Liliequist, H. Fodstad
Computer Tomography in Deep-Seated Intracerebral Posttraumatic Hematomas: Report of Six Cases (not received) —

R. A. Zimmerman, L. T. Bilaniuk
Computer Tomography of Traumatic Intracerebral Hemorrhagic Lesions: The Change in Density and Mass Effect with Time 320

L. C. Handler, J. C. de Villiers
Penetrating Stab Wounds of the Cranium (not received) —

M. Dufour, P. L. Tapias, E. Philip, A. Debaene, J. Legré
Angiographic and CT Correlations in the Craniocerebral Trauma in Emergency. Concerning 100 Cases (not received) —

O. Rienhoff, L. Stöppler, F. Grunwald, R. Schmidt, U. Zeidler
Interbeobachter-Übereinstimmung in der CCT-Befundung: Eine vergleichende Studie (Interobserver Variability in CT Reporting: A Comparative Evaluation) 322

D. F. Reese, W. E. Karnes, H. L. Baker, Jr., O. W. Houser
Statistical Analysis of Computerized Tomographic Scans in Two Types of Epilepsy (not received) —

P. B. Wollschlaeger, G. Wollschlaeger, K. L. Krabbenhoft, W. R. Darmody, R. M. Ho, L. M. Thomas
Inflammation of the Neck 324

A. L. Agnoli, J. Zierski, E. Schirg
Correlation Between Clinical and CT Findings in Children and Adolescents with Enlarged Ventricular System Including Measurements of Intracranial Pressure (not received) —

G. Gyldensted, L. Pederson
Computed Tomography in Hereditary Ataxias 327

M. von Gall, H. Becker, H. Artmann, G. Lerch, N. Nemeth
Results of Computer Tomography on Chronic Alcoholics 329

M. Ratzka, F. Glötzner, M. Nadjmi, R. Wodarz
CT-Ergebnisse bei Patienten mit Epilepsie. Eine prospektive Studie (CT Results in Epilepsy Patients. A Prospective Study) 332

S. El Tatawy, K. Rieth, A. Gulati, D. O. Davis
Edema Patterns by Computed Tomography of the Brain (not received) —

H. Sumie, Y. Kuru, S. Kurokawa, T. Kondo
Ammon's Horn Sclerosis on Pneumoencephalotomography 335

K. Katada, T. Kanno, H. Sano, T. Shibata, T. Toda, S. Koga
CT in Evaluation of the Circle of Willis 337

L. Osele, N. Cabassa, W. Moresco, E. Moroder
Cerebrale Computerszintigraphie (not received) —

S.-R. Lin
The Effect of Dextran and Streptokinase on Cerebral Function and Blood Flow after Cardiac Arrest: An Experimental Study on the Dog 340

N. E. Leeds, R. D. Zimmerman, E. J. Russell
Cranial Computed Angiotomography: Value in Diagnosing Intracranial Lesions (not received) —

J. Zajgner, P. Kozłowski
A Nationwide System for Computer Recording of Neuroradiologic Examinations 343

F. K. Sondheimer, M. D. Jones
New Findings in Lumbar Arachnoiditis (not received) —

C. G. Ullrich, E. F. Binet, M. G. Sanecki
Quantitative Measurement of the Lumbar Spinal Canal by Computed Tomography (not received) —

E. F. Binet, C. G. Ullrich, M. G. Sanecki
Computed Tomography in the Evaluation of Posttraumatic Impingement on the Spinal Canal (not received) —

P. Joyce, J. Bentson, M. Takahashi, J. Winter, G. Wilson, S. Byrd
The Accuracy of Predicting Histologic Grades of Supratentorial Astrocytomas on the Basis of Computerized Tomography and Cerebral Angiography 346

G. C. H. Meijenhorst
Systematic Double-Catheter Epidural Venography in the Diagnosis of Lumbar Disc Herniation 349

Z. L. Deeb, A. E. Rosenbaum, W. O. Bank, C. W. Kerber, B. P. Drayer
Reduced Morbidity in Gas Myelography 352

J. Wickenhauser
Die Skelettszintigraphie in der neuroradiologischen Diagnostik (Skeletal Scintigraphy in Neuroradiological Diagnostics) 354

K. Sartor, I. Leichtweiß
Computed Tomography and Metrizamide Myelography in Diseases of the Cervical Spine and Spinal Cord (not received) —

H. Poppe, K. Stringaris
Value of CT in Diagnosis of Neurological Disorders Due to Primary or Secondary Lesions Involving the Spine (not received) —

J. T. Wilmink, L. Penning
Some Technical Aspects Involving Transfemoral Lumbar Epidural Phlebography (not received) —

S. Kodoya, T. Nakamura, A. Tada
Neuroradiology of Ossification of the Posterior Longitudinal Spinal Ligament: Comparative Studies with Computer Tomography 357

K. F. Lee, C. H. Park, D. Schnapf, L. Martinez, N. L. Thompson, Jr., W. Tatu
The Value of Radionuclide Myelography in the Evaluation of Spinal Arachnoiditis 359

G. Krol, R. Khomeini, M. F. Deck
CT of the Spine 362

H. Krtsch, G. Ritter
Cervicale Myelographie nach lumbaler Applikation von Metrizamide (Cervical Myelography after Lumbar Application of Metrizamide) 364

E. M. Laasonen, A. Servo, J. Soini, L. Laasonen
A New Relative Contraindication for Lumbar Myelography 367

R. Oberson, F. Azam
CAT of the Spine and Spinal Cord 369

J.-F. Bonneville, J. B. Tuetey, F. Vernier, Y. Sauget, Y. Couteret, G. Jacquet
Les Métastases de la Charnière Cervico-Occipitale: Intérêt de la Détection Tomographique des Formes Pré-Fractuaires (Metastases of the Cervico-Occipital Junction: The Value of Tomographic Detection of Prefracture Forms) 371

M. Rovira, O. Torrent, F. González, F. Romero
Contribution to the Study of the Arterial Nutrition of the Cervical Spinal Cord 375

K. Y. Chynn, I. Altman, W. I. Shaw, N. Finby
The Roentgenographic Manifestations and Clinical Features of Lumbar Spinal Stenosis with Special Emphasis on the Superior Articular Process 378

Neuroradiological Therapy

R. Djindjian †, L. Picard, C. Manelfe, J. J. Merland, J. Théron
Développement de la Neuroradiologie Thérapeutique (Development of Therapeutic Neuroradiology) 381

G. I. Wickbom, M. N. Coel
Some Aspects on Indications, Technique, and Hazards of Percutaneous Catheter Embolization (not received) —

R. Djindjian †, J. J. Merland, P. Granier
Micro-Cathéters à Multi-Voies: Perspectives Angiographiqes et Thérapeutiques (not received) —

I. I. Kricheff, A. Berenstein
Simplified Solid Particle Embolization with a New Introducer (not received) —

J. Piton, J. Billerey, A.-M. Renou, P. Constant, J.-M. Caillé
Vascular Thrombosis Induced by Direct Electric Current: A New Technique for Therapeutic Embolisation; Animal Experimentation; First Clinical Applications 385

E. Lins, J. Wappenschmidt
Experimentelle artifizielle Embolisation bei Tieren: Konsequenzen und klinische Anwendungen (Experimental Artificial Embolization in Animals: Consequences and Clinical Applications) 389

L. Picard, C. Manelfe, J. Roland, J. Treil, J. M. André, A. de Ker-Saint Gilly, C. Morel
Embolisations et Occlusions par Ballonnets dans les Lésions Vasculaires Cranio-Faciales: Sept Années d'Expérience (Embolization and Balloon Occlusions in Craniofacial Vascular Lesions: Seven Years' Experience) 393

C. Manelfe, L. Picard, A. Bonafé, J. Roland, A. Sancier, G. l'Espérance
Embolisations et Occlusions par Ballonnets dans les Processus Tumoraux: Sept Années d'Expérience (Embolization and Balloon Occlusions in Tumoral Processes: Seven Years' Experience) 395

A. Berenstein, I. I. Kricheff, N. F. Chase
Balloon Catheter Selection for Transarterial Embolization (not received) —

G. Debrun
Treatment of Carotid and Vertebral Arteriovenous Fistulae with a Detachable Balloon (not received) —

B. A. Grillo, B. Fuster, A. De Tenyi, R. Vanrell, J. Purriel
Embolización con Tejido Adiposo (Embolization with Adipose Tissue) 399

First Panel Discussion
Embolization Material 402

J. Théron, D. Chevalier, J. P. Houtteville
Cervical Phlebography in the Diagnosis of Cervicobrachial Neuralgias (not received) —

K. Miyasaka, H. Takei, T. Ito, K. Tashiro, H. Abe, M. Tsuru
Catheter Cervical Vertebral Venography 413

A. Wackenheim
C1–2 Block Vertebra. Fusion of the Anterior Arch of the Atlas with the Axis. Follow-Up of the Fusion in a Child 416

A. Thibaut, J. Collignon
Embolization and Surgical Removal of Nasopharyngeal Angiofibroma 418

M. Gado, R. Ratcheson, R. Grubb, T. Naidich, M. Raichle
Evaluation of Superficial Temporal-Middle Cerebral Anastomosis (not received) —

W. O. Bank, Z. L. Deeb, J. A. Horton, C. Kerber
Computed Tomographic Findings Following Therapeutic Intracerebral Embolization (not received) —

D. Doyon, P. Lasjaunias, C. Manelfe, J. J. Merland, J. Moret, L. Picard, J. Théron
Analysis of the Complications of Therapeutical Angiography – Review of 500 Embolizations in the Craniocephalic Area (not received) —

J. Bentson, R. Rand, T. Calcaterra, P. Lasjaunias
Unexpected Complications Following Therapeutic Embolization 420

K. Voigt, N. Schwenzer, P. Stoeter
Angiographic, Operative, and Histologic Findings after Embolization of Craniofacial Angiomas 424

R. Djindjian †, J. J. Merland, M. Djindjian, R. Houdart
Place de l'Embolisation dans le Traitement des Malformations Artério-Veineuses Médullaires à propos de 38 Cas (Embolization in the Treatment of Medullary Arteriovenous Malformations in 38 Cases) 428

S. K. Hilal, P. Sane, W. J. Michelson, A. Kosseim
The Embolization of Vascular Malformations of the Spinal Cord with Low-Viscosity Silicone Rubber 430

J. Brismar, A. Björklund, A. Elner, C.-M. Eneroth
Selective Intra-Arterial Cytostatic Injections in Malignant Head and Neck Tumors 434

G. B. Bradac, J. Schramm, T. Grumme
Wert und Grenzen der Computertomographie in der Studie von Prozessen der Schädelbasis (Value and Limits of Computed Tomography in Processes of the Skull Base) 438

M. Banna, W. Nicholas, M. McLachlan
The Borderline Pituitary Fossa in Patients with Amenorrhoea and/or Galactorrhoea 440

I. Richmond, T. H. Newton, C. B. Wilson
Correlation Between Radiographic and Surgical Findings in Prolactin Secreting Pituitary Adenomas (not received) —

A. L. Weber, R. Tadmor, R. Davis, G. Roberson
Malignant Tumors of the Sinuses: Radiologic Evaluation, Including CT Scanning, with Clinical and Pathologic Correlation 443

A. A. Mancuso, W. N. Hanafee, J. Winter, P. Ward
Extensions of Paranasal Sinus Tumors and Inflammatory Disease as Evaluated by CT and Pluridirectional Tomography 449

A. Hatam, A. Möller, H. Olivecrona
Changes of Internal Auditory Meatus 454

M. L. Aubin, J. Vignaud
Computerized Tomography of the Eye: A Study of 62 Pathologic Cases 456

S. K. Hilal, S. L. Trokel
Millimeter Resolution CT of the Orbit (not received) —

J. R. Hesselink, K. R. Davis, R. L. Dallow, G. H. Roberson, J. M. Taveras
Computed Tomography of Mass Lesions in the Lacrimal Gland Region of the Orbit (not received) —

H. L. Baker, Jr.
Computed Tomographic Findings in Intracranial Inflammation (not received) —

M. A. Whelan, S. K. Hilal
The Computed Tomography of Brain Abscesses (not received) —

J. C. Rodríguez, R. A. Gutiérrez, O. D. Valdés, J. F. Dorfsman
The Role of Computed Axial Tomography in the Diagnosis and Treatment of Brain Inflammatory and Parasitic Lesions: Our Experience in Mexico 458

M. A. Weinstein, P. M. Duchesneau, D. Norman
Sequential Computed Tomography Scans in Multiple Sclerosis (not received) —

D. Kühne, A. Tänzer, L. Lachenmayer
Diagnosis of Meningiomas of the Cavernous Sinus (not received) —

F. K. Sondheimer, T. S. Meyler, M. Mink
An Evaluation of the Efficacy and Limitations of CT Scanning in Lesions of the Nasopharynx and Facial Bones with an ACTA Scanner (not received) —

J. R. Hesselink, A. Weber, P. F. J. New, K. R. Davis, G. H. Roberson, J. M. Taveras
Evaluation of Mucoceles of the Paranasal Sinuses with Computed Tomography (not received) —

M. Banna, J. A. J. Ferris, L. M. Gledhill
Radiological Anatomical Investigations into the Borderline Pituitary Fossa (not received) —

V. M. Haughton, O. P. Eldevik, A. L. Williams
CT in Patients with Pituitary Microadenomas (not received) —

S. Pripstein, B. Danoff, D. Schnapf, K. F. Lee, S. Kramer
The Value of Computed Tomography in Delineating Suprasellar Extension of Pituitary Adenomas 462

C. Manelfe, A. Bonafé, J. Treil, C. Morel
Tri-Dimensional Approach of Sellar Tumours with Metrizamide Computed Tomography Cisternography (not received) —

K. A. Shaffer, O. P. Eldevik, V. M. Haughton, A. L. Williams
CT Examination of Temporal Bone (not received) —

K. Hall
Metrizamide CT Cisternography Combined with Myodil (Pantopaque) Cisternography in the Investigation of Suspected Small Acoustic Neuromata 464

J. Lester, C. Gyldensted, J. Thomsen
Computer Tomography and Pantopaque Cisternography in the Diagnosis of Cerebellopontine Angle Lesions (not received) —

A. Möller, A. Hatam, H. Olivecrona
Diagnosis of Acoustic Neuromas and Pontine Angle Meningiomas Using Computed Tomography (not received) —

K. R. Davis, S. W. Parker, P. F. J. New, G. H. Roberson, R. G. Ojemann, J. M. Taveras
Computed Tomography in the Diagnosis of Cerebellopontine Angle Meningioma (not received) —

U. Salvolini, F. Menichelli, U. Pasquini
CT in the Diagnosis of Exophthalmos, in Comparison with other Noninvasive Neuroradiological Examinations (not received) —

R. Tadmor, P. F. J. New, K. R. Davis, G. Roberson, J. M. Taveras
Computed Tomography of the Orbit with Special Emphasis on Coronal Sections 466

E. Löhr, H.-J. Lehmann, D. Wessels, H. C. Weichert
CT Diagnosis in Localized Embolic Encephalitis 468

H. C. Weichert, E. Löhr, H. E. Clar, W. Grote
Limitations of Computerized Tomography in Diagnosis of Subdural Hematoma 469

B. Krankenhagen, H. J. Lehmann, E. Löhr, H. C. Weichert, M. Wessels
CT-Untersuchungen bei Kollagenosen mit zerebraler Beteiligung (CT Diagnosis in Cerebral Complications of Collagenous Diseases) 472

H. J. Lehmann, E. Löhr, W. Bock, E. Hielscher, L. Gerhard
CT Diagnosis in Haemorrhagic Encephalitis (not received) —

Comparison of Computerized Tomography with Other Neuroradiological Examination Methods

G. H. du Boulay, E.-W. Radue
Comparison of Computerised Tomography with Other Neuroradiological Methods: A Plea for a Different Kind of Analysis 474

I. Isherwood, B. R. Pullan, R. T. Ritchings
Radiation Dose in Neuroradiological Procedures 477

H.-J. Herms
Kontrastmittel – Anforderungen, Möglichkeiten, Risiken (Contrast Agents – Requirements, Possibilities, and Risks) 482

K. Kretzschmar, T. Grumme, H. Steinhoff
Der Wert der Computer-Tomographie und Angiographie für die Diagnose supratentorieller Hirntumoren (The Diagnostic Value of CT and Angiography in Cerebral Tumors) 487

A. R. Butler, A. M. Passalaqua, A. Berenstein, I. I. Kricheff
The Contrast-Enhanced CT Scan and the Radionuclide Brain Scan: Parallel Mechanisms of Action in the Detection of Supratentorial Astrocytomas 491

B. Liliequist, N. E. Säterborg
Computed Tomography and Radionuclide Brain Scanning in 203 Patients with Suspected Intracranial Disease (not received) —

J. Metzger, D. Gardeur, A. Nachanakian, J. C. Millard
Comparaison des Tomodensitométrie, Cinégammagraphie, et Angiographie dans les Diagnostics Topographique et Histologique Pré-Opératoires de 300 Tumeurs Intracrâniennes Sus-Tentorielles (Comparison of CT, Scintigraphy, and Angiography in the Topographic and Pathological Diagnosis of 300 Supratentorial Tumors) 495

L. O'Connor, C. Hyshaw, J. Winter, J. Bentson, G. Wilson, T. H. Newton
Intraventricular Hemorrhage: Correlation of CT Scan Findings with Clinical, Angiographic, and Autopsy Findings (not received) —

M. J. D. Post, J. S. Glaser, J. D. Trobe
The Radiographic Recognition of Two Clinically Elusive Mass Lesions of the Cavernous Sinus: Meningiomas and Aneurysms 499

H. Becker, D. Norman, D. P. Boyd, R. S. Hattner, T. H. Newton
Computed Tomography in Detecting Calvarial Metastases: A Comparison with Skull Radiography and Radionuclide Scanning 504

J. Brismar, L.-G. Strömblad, L. G. Salford
Impact of CT in the Neurosurgical Management of Intracranial Tumors 506

A. L. Bahr, F. J. Hodges III
The Efficacy of Computerized Tomography (CT) of the Head in Changing Patient Care and Health Costs – A Retrospective Study (not received) —

R. E. M. Hekster, B. J. Zapletal, B. Matricali
Comparison of CT and Conventional Neuroradiological Procedures in Lesions in the Proximity of the Tentorial Hiatus 510

E.-W. Radue, G. H. du Boulay
The Contribution of Plain X-Rays to the Management of Posterior Fossa Disease in the CT Era 512

S. A. Kieffer, J. V. Esguerra, E. F. Binet, D. T. Thompson
Evaluation of Neuroradiological Procedures for the Detection, Localization, and Characterization of Intracranial Tumors (not received) —

P. Dal Bianco, T. Reisner, K. Zeiler, E. M. Klausberger
Kontrastmittel-Untersuchungen und Computer-Tomographie bei intrakraniellen Raumforderungen (Conventional Contrast Media Examinations and Computer Tomography in Space-Occupying Processes) 514

U. Büll, W. Lanksch, J. Wilske
The Supplementary Role of Cerebral Serial Scintigraphy to Computerized Transaxial Tomography in Intracranial Tumors (not received) —

R. S. Pinto, J. S. Leo, I. I. Kricheff, R. T. Bergeron
A Comparative Study of Radiographic Techniques (not received) —

Second Panel Dicussion
Comparison of Computerized Tomography with other Neuroradiological Examination Methods 517

Third Panel Discussion
The Ideal Head CT Scanner 524

S. K. Hilal, C. H. Chang
Specificity of Computed Tomography in the Diagnosis of Supratentorial Neoplasms: Consideration of Metastases and Meningiomas 537

N. Bešenski, V. Gvozdanović, V. Nutrizio, S. Šimunić, I. Jeličić, V. Lupret
Comparative Study of Computed Tomography and Ventriculography with Water-Soluble Contrast Media 540

P. F. J. New, K. R. Davis
The Radiological Diagnosis of Intraventricular Cysts (not received) —

D. P. E. Kingsley, B. E. Kendall
Cranial Computed Tomography in Leukaemia 543

E. A. Cabanis, M. T. Iba-Zizen, R. van Effenterre, G. Porret, P. Hugonet, V. Danicel
Angiotomography and Tomodensitometry (CT Scan) Associated in the Diagnosis of Sellar and Parasellar Lesions (not received) —

R. D. Zimmerman, N. E. Leeds
Fourth Ventricle Changes at CT in Posterior Fossa Pathology (not received) —

M. Banna
Cerebral Midline Tumours on Computed Tomography (not received) —

A. A. Chambers, J. E. McLennan
Pericollicular Syndromes 547

T. El Gammal, M. B. Allen, Jr.
CT Scan and Hypocycloid Pneumoencephalography in the Diagnosis of Deep Intrinsic Tumors of the Brain (not received) —

Y. Inaba, H. Hiratsuka, K. Komatsu, M. Tsuyumu, K. Fujiwara, H. Takei, K. Oie, T. Yamaguchi, Y. Takasato
Sequential Delayed Enhanced CT in Brain Tumors 549

J. M. Caillé, M. Pestre, P. Constant, A. M. Renou
CT Study of the Action of Radiotherapy on the Encephalus (not received) —

D. Vonofakos, H. Hacker
Computed Tomography Histogram in the Pathologic Definition of Supratentorial Brain Tumors 552

P. W. Joyce, J. R. Bentson, M. Takahashi, J. Winter, G. H. Wilson, S. E. Byrd
The Accuracy of Predicting Histologic Grades of Supratentorial Gliomas Based on Computerized Tomography and Angiography (not received) —

A. Thibaut, C. Rumeau
CT Scan and Gas Encephalography in Diagnosis of Arachnoid Cyst and Epidermoid Cyst of Galen's Cistern 556

M. Savoiardo, A. Passerini, A. Allegranza
The Hypodense Meningioma: Report of Two Cases 558

K. Höttermann, D. Kühne, L. Lars
Contribution to the Problem of Metastases of Malignant Brain Tumors along the Pathways of the CSF. Computer-Tomographic Observations (not received) —

K. C. V. G. Rao, J. P. Williams, P. R. S. Kishore, F. S. Vines
Midline Intracranial Cystic Lesions: Is Computerized Cranial Tomography Alone Diagnostic? (not received) —

Three-Dimensional Examinations

T. Greitz, J. Arndt, E. O. Backlund, L. Leksell, L. Steiner
Intracranial Arteriovenous Malformations Treated by Stereotactic Radiosurgery (not received) —

T. Greitz, M. Bergström, J. Boëthius, T. Ribbe
Integrated Head Fixation System for Diagnostic and Therapeutic Modalities in Stereotactic Work (not received) —

A. Passerini, G. Broggi, C. Giorgi, M. Savoiardo
CT Studies in Patients Operated with Sterotaxic Thalamotomies 561

R. Lewander, M. Bergström, J. Boehius, V. P. Collins, G. Edner, T. Greitz, J. Willems
Stereotaxic Computed Tomography Guiding Intracranial Biopsies (not received) —

F. Mundinger, W. Birg, C. B. Ostertag
Treatment of Small Cerebral Gliomas with CT-Aided Stereotaxic Curietherapy 564

A. N. Gulati, J. M. Dooley, Jr., S. Young
Clinical Usefulness of Artronix Brain Scanner Multiplanar Coronal and Sagittal Brain Images 568

S. H. Lee, T. Villafana, M. S. Lapayowker
CT Intracranial Localization with a New Marker System 570

J. Vignaud, P. Rabischong, J. P. Yver, P. Pardot, P. Thurel
Computerized Tridimensional Reconstruction of Angiographies Thanks to Stereogrammetry (not received) —

F. Brahme
Holographic 3-Dimensional Display of CT Images (not received) —

L. Eriksson, M. Bergström, C. Bohm, T. Greitz, J. Litton, R. Sundman, L. Widén
A Ring Detector Positron Camera System: Its Merits; Clinical Experience 572

A. F. MacDonald, J. M. Carrill, P. P. Dendy, W. I. Keyes, J. R. Mallard
Evaluation of X-Ray CT (EMI Scan) and Isotope Brain Studies, Including Radioisotope Axial Tomography 575

T. C. Hill, H. F. Gramm, P. Costello, J. McNeil, S. Treves
Clinical Experience with a Radioisotope Computerized Emission Tomographic Brain Imager System (not received) —

J. Berger, J. C. Duchazeaubeneix, J. C. Faivre, D. Garreta, D. Legrand, M. Rouger, J. Saudinos, G. Charpak, B. Guillerminet, J. C. Santiard, F. Sauli, G. Lecaque, P. Palmieri, C. Raybaud, G. Salamon
Reconstruction Tomography by Nuclear Scattering Radiography 576

J.-M. Caillé, J. Billerey, A.-M. Renou, P. Constant
Cerebral Blood Volume and Water Extraction from Cerebral Parenchyma by Hyperosmolar Contrast Media 579

J. Patel, K. F. Lee, B. Goldberg
The Role of Ultrasonography in the Diagnosis of Certain Neurologic Disorders: A Preliminary Report 583

O. Sato, M. Kobayashi, H. Kamitani, I. Kanazawa, T. Kokunai, J. Sato
A New Method of Magnification Cerebral Angioautotomography for the Analysis of Intracranial Aneurysms 587

J. M. Scarabin, J. Pecker, J. M. Brucher, B. Vallée Y. Guégan, J. Faivre, J. Simon
Stereotaxic Exploration in 200 Supratentorial Brain Tumors: Its Value in Addition to Computerized Tomography 591

P. W. Ascher, W. D. Sager
Stereophotogrammetry: An Additional Method for Three-Dimensional X-Ray Examination 594

S. L. G. Rothman, R. B. Geehr, E. L. Kier, H. B. Hoffman
Multiplanar Reconstruction as an Aid in CT Diagnosis 596

A. Valavanis, O. Schubiger, J. Wellauer
Computed Tomography of Acoustic Neuromas with Emphasis on Small Tumor Detectability 598

C. Marshall, M. Zaleznik, I. I. Kricheff
Partial Volume Limitation of CT Data (not received) —

T. El Gammal, M. B. Allen, Jr., T. Lott
CT Angiography (not received) —

M. Yamamoto, H. Imanaga, M. Jimbo, K. Kitamura, Y. Saito, N. Kobayashi
Quantitative Investigation of the X-Ray Absorption Coefficient in Computed Tomography: An Approach to Numerical Diagnosis 601

R. E. Anderson
Direct Sagittal Computed Tomography Scanning of the Skull and Its Contents 603

Work in Progress

K. Shaffer, O. Eldevik, V. M. Haughton, A. L. Williams
High Resolution Computed Tomography of the Temporal Bone (not received) —

P. B. Wollschlaeger, G. Wollschlaeger, K. L. Krabbenhoft, S. Pniewski, M. L. Thomas, W. R. Darmody, R. M. Ho, J. Toliver, T. Coleman
Tumor of the Sella Turcica Evaluated by B-Mode Echoencephalography (not received) —

W. H. Marshall, Jr., R. Alvarez, A. Macovski, J. Healy, L. M. Zatz
Dual Kilovoltage at Computed Tomography: A Prereconstruction Method for Estimation of Effective Atomic Numbers and Electron Density 605

W. S. Hinshaw, E. R. Andrew, P. A. Bottomley, G. N. Holland, W. S. Moore, B. S. Worthington
Internal Structural Mapping by Nuclear Magnetic Resonance 607

G. S. Allen, A. L. Bahr, S. B. Banghart
Effects of Nifedipine on Artificially Induced Femoral and Basilar Artery Contraction In Vitro and Reversal of Acute and Chronic Vertebral Basilar Spasm by Orally Administered Nifedipine in Dogs 610

T. O. McNamara
New Catheter Curvature for Selective Catheterization of Brachiocephalic Vessels in the Aged (not received) —

H. Hacker
The Use of Metrizamide in Cerebral Angiography: Report on Recent Experiences – A Cooperative Study (not received) —

J. T. Lamb
Angiography with Amipaque 612

M. Schumacher, H. D. Mennel, K. Voigt
Techniques and Results of Neuroradiologic Investigations of Experimentally Induced Brain Tumors in Rats 614

P. Stoeter, S. Schmidt-Lademann, K. Voigt
Comparative Microangiographic and Histologic Studies of the Embryonal Development of Intracerebral Capillaries 620

G. du Boulay, D. Fairbairn, R. S. Paden
Precise Re-Positioning of the Head for Serial CT Examinations 625